

CENTER FOR SIGNAL PROCESSING CONTRACT AMOUNT: \$250,000
SYSTEMS

Douglas M. Cabries, Brigham Young University

The main focus is on five closely related research efforts: (1) VLSI research into the design and miniaturization of integrated circuit devices; (2) image processing research focused on compression techniques to allow video teleconferencing; (3) speech processing with adaptive technology which has focused on the elimination of noise and compensation for the hearing impaired; (4) robotics research focused on both visual and automatic speech recognition to be used with robots in a manufacturing environment; and (5) optimal estimation theory research applied to the needs of local industry.

<u>Matching Funds:</u> <u>Source</u>	<u>In-Kind</u>	<u>Cash</u>
Environmental Research		\$ 25,000
ESL		51,139
ESL		24,563
FBI		25,000
FBI		100,000
Hewlett Packard	\$ 680,000	
Hewlett Packard	453,000	
Hewlett Packard	381,434	
Hughes		54,000
Hughes		30,997
Hughes		50,000
ICON	25,000	
Netline		10,000
Office of Naval Research		39,942
Space Dynamics Lab		90,000
Tektronix	20,000	
Tektronix	19,400	
UNISYS		40,000
Westinghouse		90,000
— Subtotals	\$1,578,834	\$555,641
	TOTAL	\$2,134,475

Companies Associated Since Contract: (11)

Hewlett Packard
Westinghouse
UNISYS
Tektronix
Hughes
Office of Naval Research
Federal Bureau of Investigation
Digital Hearing
Antin

Excalibur
FBI

In-State Industrial Associations:

Digital Hearing Inc.*
ESL (SLC)
Eyring Research Institute
Excalibur Electronics
Gould/AMI Inc.
Icon
Signetics
TRW ESL Utah Software Office
UNISYS
Westinghouse
Wicat

Out-of-State Associations:

Hewlett Packard
Tektronix
Netline
Antin/CAECO

Center for Signal Processing Contract #87-0523

Payments:	Amount	Balance
18 Dec 86	\$ 92,500	\$ 157,500
16 Jan 87	21,432	136,068
11 Sep 87	51,024	85,044
Amendment +	146,334	231,378
16 Feb 88	34,016	197,362

Total Payments: \$198,972